

DRILL HOLES

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BORDER REV. DATE: JUNE 11, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 202 (Largo Rd) and the Entrance to Largo High School in Prince George's County. Hazard Identification Beacons shall be placed on the northbound and southbound approaches of this intersection to lower the speed of motorist in the area of Largo High School. MD 202 (Largo Rd) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA four-phase, fully-actuated mode, with the MD 202 (Largo Rd) approaches running concurrently. The Exclusive left turn phase for the northbound approach of MD 202 (Largo Rd) shall remain in operation. The Countdown pedestrian phase with audible pushbutton actuation across the south leg of MD 202 (Largo Rd) shall remain in operation. The Countdown pedestrian phase with audible pushbuttons on recall across the Entrance to Largo High School shall remain in operation. The Entrance to Largo High School approach shall also continue to run in its own phase.

Hazard Identification Beacons shall be placed on the northbound and southbound approaches of MD 202 (Largo Rd). During operation, the speed limit for both approaches of MD 202 (Largo Rd) shall be 35 MPH. The Beacons shall operate Mon-Fri from 7:45-8:45 AM and from 2:45-3:45 PM on flash alternately.

- The existing full-traffic-actuated, eight-phase controller with video interface 2-wire Control Unit and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer (Dave Swartz) at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
9570	Sheet aluminum signs to consist of: (ground mount) R2-1 "SPEED LIMIT 50" sign, (24" x 30"). S1-1 "SCHOOL" sign, (36" x 36"). S5-2 "END SCHOOL ZONE" sign, (24" x 30"). S4-4(2) "AHEAD" sign, (36" x 15").	48 SF
9571	Sheet aluminum signs to consist of: (pole mount) S5-1 "SCHOOL / SPEED LIMIT 35 WHEN FLASHING" (48" x 24"). S4-4(1) "FINES DOUBLE" (30" x 15").	22 SF

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1003	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	.5 C.Y.
8008	Breakaway Pedestal pole (14')	2 EA
8021	Remove and dispose of material & equipment per assignment.	1 EA
8032	Schedule 80 rigid PVC conduit up to 4" - bored.	110 L.F.
8034	Schedule 80 rigid PVC conduit up to 4" - trenched.	65 L.F.
8035	Wood sign supports up to 4"x6".	80 L.F.
8036	Install overhead or ground mounted sign (including hardware).	70 S.F.
8038	No. 6 AWG stranded bare copper ground wire.	25 L.F.
8045	Furnish and install electrical handhole.	4 EA
8050	12" LED signal head section.	4 EA
8056	Electrical cable - 5 conductor (No. 14 AWG).	1045 L.F.

C. EQUIPMENT TO BE REMOVED

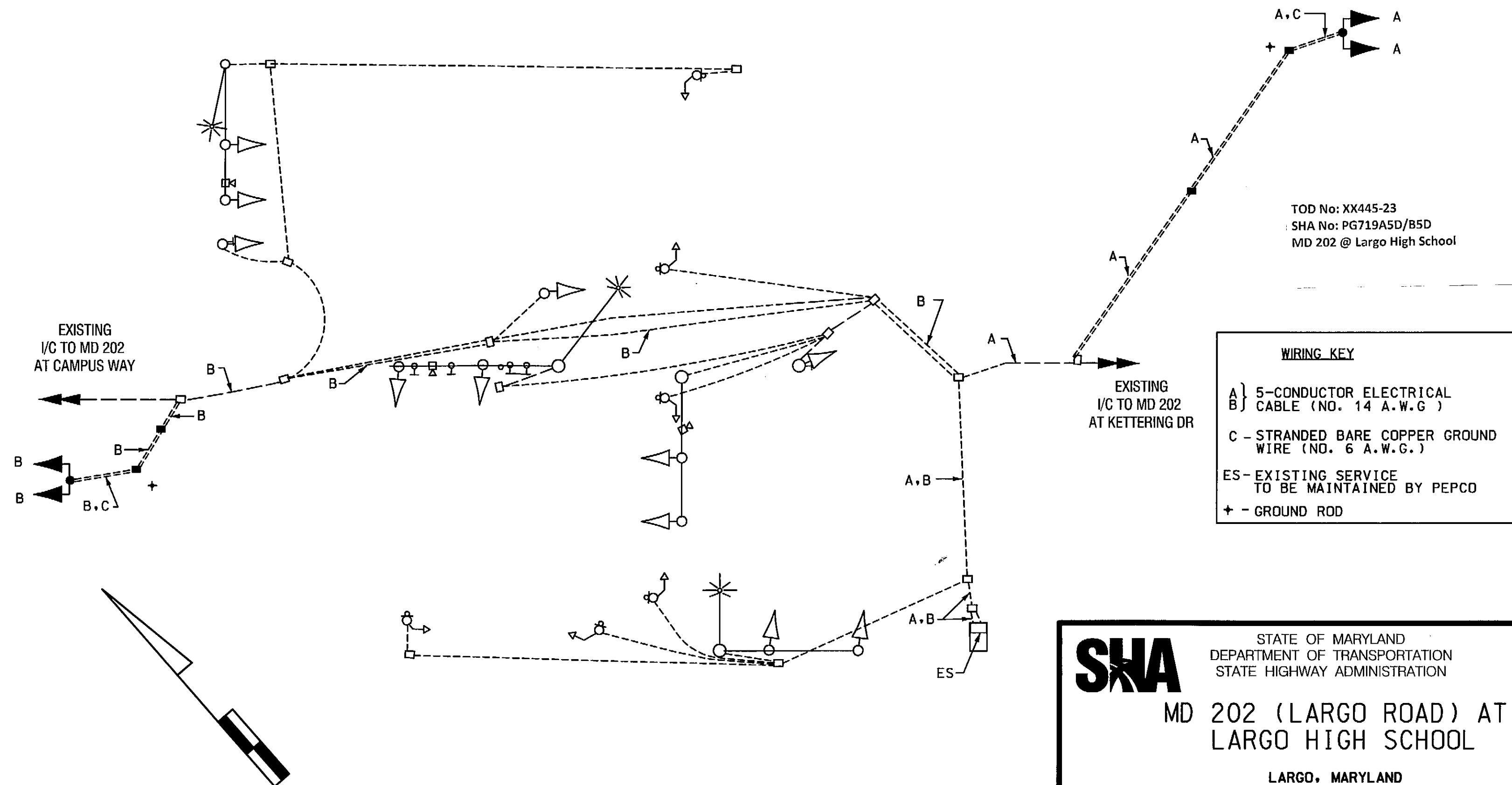
Any removed materials are to become property of the contractor.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	(Y)	(Y)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(Y)	(Y)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 2 & 5	*	*	←G	←G	←G	G	G	*	*	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
2 & 5 CHANGE	*	*	←Y	←Y	←Y	G	G	*	*	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	*	*	←R	←R	←R	G	G	*	*	G	G	R	R	G	G	WK	WK	DW	DW	DW	DW
PED CLEAR / COUNTDOWN	*	*	←R	←R	←R	G	G	*	*	G	G	R	R	G	G	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	*	*	←R	←R	←R	Y	Y	*	*	Y	Y	R	R	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	*	*	←R	←R	←R	R	R	*	*	R	R	G	G	R	R	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	*	*	←R	←R	←R	R	R	*	*	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT	*	*	←R	←R	←R	R	R	*	*	R	R	G	G	R	R	DW	DW	WK	WK	WK	WK
PED CLEAR / COUNTDOWN	*	*	←R	←R	←R	R	R	*	*	R	R	G	G	R	R	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	*	*	←R	←R	←R	R	R	*	*	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	*	*	FL/←R	FL/←R	FL/←R	FL/Y	FL/Y	*	*	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	DARK	DARK	DARK	DARK	DARK	DARK

* NOTE: SIGNAL HEADS 1, 2, 8 & 9 ARE HAZARD IDENTIFICATION BEACONS, LOCATED NORTH AND SOUTH OF THE INTERSECTION. THEY SHALL OPERATE MON-FRI 7:45-8:45 AM AND 2:45-3:45 PM ON SCHOOL DAYS ONLY.

WIRING DIAGRAM



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 202 (LARGO ROAD) AT
LARGO HIGH SCHOOL

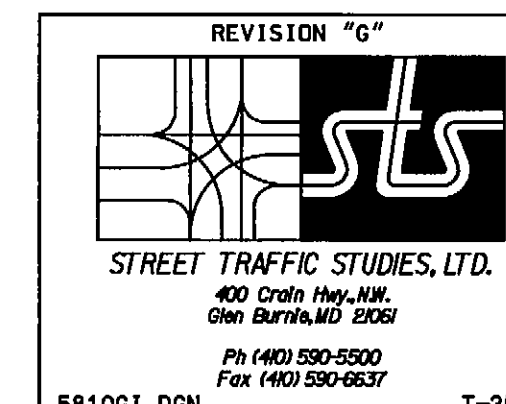
LARGO, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 5/14/10 CONTRACT NO. XX4455185

DESIGNED BY J.W.A. COUNTY PRINCE GEORGE'S
DRAWN BY R.C. LOGMILE 16020206.73
CHECKED BY JLR 5/14/10 TMS NO. K054
F.A.P. NO. TOD NO.

TS NO. 815G DRAWING NO. 4 OF 4 SHEET NO. OF



581001.DGN T-253
PLOTTED: #DATETIME#
FILE: #FILE#